



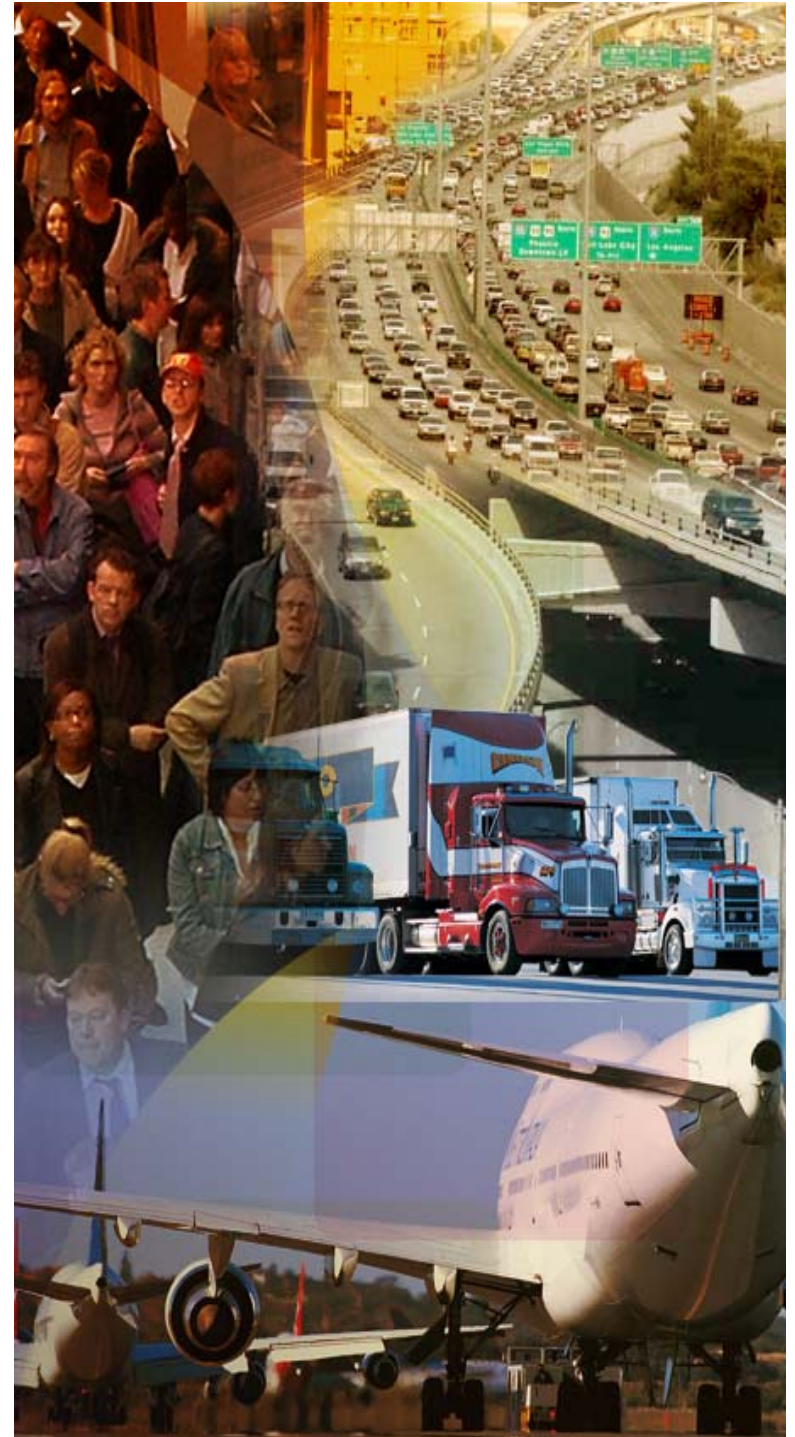
Transportation Innovation

Camille Mittelholtz

Office of Assistant Secretary for
Transportation Policy

U.S. Department of Transportation

June 1, 2011



Secretary of Transportation Ray LaHood's priorities

- Safety
- State of Good Repair.
- Environmental sustainability
- Economic competitiveness
- Livable communities

Cleaner, Safer, More Efficient Transportation System

- Operational Improvements for roadways, air traffic and transit
- Vehicle & Fuel Improvements
- Livable Communities

Operational and Technological Improvements



- Intelligent Transportation Systems (ITS) and applications
 - Encouraging faster dissemination of real-time information on weather, traffic incidents, road construction etc.
 - Promoting best practices for incident and intersection management (e.g., roving response teams, quick clearance, motorist assistance and signal timing)
 - Value/congestion pricing

ITS Research and development, data, and emerging technologies

- Advanced wireless communications technology network
- Vehicle-to-Vehicle communication:
 - Emergency Brake Light Warning
 - Forward Collision Warning
 - Intersection Movement Assist
 - Blind Spot and Lane Change Warning
 - Do not pass Warning
- Vehicle-to-Infrastructure communication
 - Intersection safety
 - Run-off-road
 - Speed management
 - Commercial/transit vehicle enforcement and operations

Next Generation Air Transportation System

- Modernize U.S. transportation system to satellite-based
- Already implementing more than 2400 GPS-based approaches to airports in U.S.
- GPS-based approaches save fuel
- Departure queue management at airports
- Safety management systems at airports

Voluntary Airport Low Emissions Program

- Helps airports reduce land-side emissions

Transit Technology

- Research on advanced vehicle propulsion systems –hydrogen, hybrid-electric
- Grant programs deploy new technologies in transit fleets
- TIGGER program helps transit agencies improve energy efficiency



Vehicle & Fuel Improvements

- DOT-EPA fuel Economy/GHG emissions standards for 2012-2016 light duty vehicles – April 2010
- DOT-EPA fuel economy/ GHG emissions standards for post 2017 light duty vehicles in development
- DOT-EPA fuel economy/GHG emissions standards for medium- and heavy-duty trucks in development
- EPA emissions standards CO, VOC and PM
- Renewable fuels

Livable Communities

- Provide more transportation choices
- Expand location- and energy-efficient housing choices
- Improve economic competitiveness of neighborhoods
- Target federal funding toward existing communities
- Align federal policies and funding
- Invest in healthy, safe and walkable neighborhoods

U.S. Department of Transportation



For more information:

- <http://ops.fhwa.dot.gov/>
- <http://www.rita.dot.gov/>
- <http://www.nhtsa.gov/fuel-economy>
- www.climate.dot.gov/
- www.dot.gov/livability

Camille.Mittelholtz@dot.gov